

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

**Listing of Claims:**

1-7 (Canceled).

8. **(Currently amended)** A stator of an electric machine comprising:  
an autonomous cooling circuit,  
means for sealing the cooling circuit with respect to a rotor of the electric machine,  
a magnetic circuit comprising slots, and  
a winding arranged in the slots, wherein the stator comprises a two-part magnetic circuit whose parts are separated by a fluidtight shell, and wherein the stator comprises a two part magnetic circuit comprised of a major magnetic core portion disposed outboard of the fluidtight shell and a smaller minor magnetic core portion disposed inboard of the fluidtight shell.
9. **(Previously Presented)** The stator as claimed in claim 8, wherein the shell is of tubular shape and is centered around an axis of revolution of the electric machine.
10. **(Currently amended)** The stator as claimed in claim [[18]] 8, wherein the major magnetic core portion of the magnetic circuit comprises a first stack of laminations and the minor magnetic core portion comprises a second stack of laminations.
11. **(Previously Presented)** The stator as claimed in claim 10, wherein the first and the second stacks of laminations comprise the slots and in that the slots of the second stack of laminations are arranged in the continuation of the slots of the first stack of laminations.
12. **(Previously Presented)** The stator as claimed in claim 11, wherein the winding is completely situated in the slots of the first stack of laminations.

13. (Previously Presented) The stator as claimed in claim 11, wherein the second stack of laminations comprises bridges which close the slots of the second stack of laminations, the bridges being situated in the immediate vicinity of a gap of the electric machine.

14. (Previously Presented) The stator as claimed in claim 8, wherein the shell is formed by a coating of one of the stacks of laminations.

15. **(Currently amended)** A stator of an electric machine comprising:  
an autonomous cooling circuit,  
means for sealing the cooling circuit with respect to a rotor of the electric machine,  
a magnetic circuit comprising slots, and  
a winding arranged in the slots, wherein the stator comprises a two-part magnetic circuit  
whose parts are separated by a fluidtight shell.

The stator as claimed in claim 9,

wherein the magnetic circuit comprises a first stack of laminations produced outside the shell and a second stack of laminations produced inside the shell, and  
wherein the shell is of tubular shape and is centered around an axis of revolution of the electric machine.

16. (Previously Presented) The stator as claimed in claim 12, wherein the second stack of laminations comprises bridges which close the slots of the second stack of laminations, the bridges being situated in the immediate vicinity of a gap of the electric machine.

17. (Previously Presented) A stator of an electric machine comprising:

a cooling circuit,

fluidtight shell which is disposed inboard of the cooling circuit, said fluidtight shell forming part of a sealing arrangement which fluidtightly seals the cooling circuit from a rotor of the electric machine,

a magnetic circuit comprising slots, a first stack of laminations disposed outside the shell and a second stack of laminations disposed inside the shell, and

a winding arranged in the slots,

wherein the stator comprises a two-part magnetic circuit whose parts are separated by the fluidtight shell.

18. **(Cancelled)**

19. **(Previously Presented)** The stator as claimed in claim 8, wherein the slots are formed in the major core portion.

20. **(Previously Presented)** The stator as claimed in claim 8, wherein the fluidtight shell forms part of the cooling circuit sealing means.

21. **(Previously Presented)** The stator as claimed in claim 8, wherein the cooling circuit comprises passages through which coolant flows, the passages being disposed within the slots.

22. **(New)** The stator as claimed in claim 17, wherein the shell is of tubular shape and is centered around an axis of revolution of the electric machine.

23. **(New)** The stator as claimed in claim 17, wherein the stator comprises a two part magnetic circuit comprised of a major magnetic core portion disposed outboard of the fluidtight shell and a smaller minor magnetic core portion disposed inboard of the fluidtight shell.

24. **(New)** The stator as claimed in claim 17, wherein the cooling circuit comprises passages through which coolant flows, the passages being disposed within the slots.

25. **(New)** The stator as claimed in claim 23, wherein the slots are formed in the major core portion.